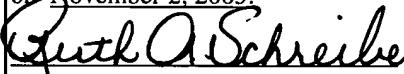


JC10 Rec'd PCT/PTO 04 NOV 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of) Customer No.: 37003
ASSA et al.)
Application No.: 10/538,316) Confirmation No. 4046
Int'l Appl. No. PCT/GB03/05395)
Filing Date: June 13, 2005) Examiner: N/A
Int'l Filing Date: December 11, 2003)
Title: SYSTEM AND METHOD FOR REPRESENTING AND) Docket No: 57.0474 US PCT
PROCESSING AND MODELING SUBTERRANEAN)
SURFACES)

I hereby certify that this correspondence is being deposited with the
United States Postal Service on the date shown below with sufficient
postage as first class mail in an envelope addressed to: Mail Stop PCT,
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
on November 2, 2005.

 11-2-05
Ruth A. Schreiber Date

SUBMISSION OF MISSING PARTS

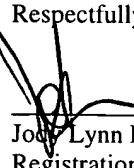
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Alexandria, VA 22313-1450

Sir:

In accordance with the "Notification of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US)" letter, mailed September 30, 2005 and attached hereto, enclosed please find the executed Declaration and Power of Attorney for the above-identified application.

The Surcharge of \$130.00 was authorized to be charged to Deposit Account 19-0615 on Form PTO-1390 filed with the Application. Applicants believe that no further charge for the filing of the attached Declaration is due. In the event this figure is incorrect, the Commissioner is hereby authorized to credit/further charge Deposit Account No. 19-0615. Two copies of this sheet are attached.

Respectfully submitted,


Jody Lynn DeStefanis
Registration No. 44,653

Schlumberger-Doll Research
36 Old Quarry Road
Ridgefield, Connecticut 06877-4108
Phone: (203) 431-5505
Fax: (203) 431-5640
Date: November 2, 2005



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| | | |
|--|-----------------------|-------------------------------|
| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
| 10/538,316 | Steven Brent Assa | 57.0474 US PCT |
| | | INTERNATIONAL APPLICATION NO. |
| | | PCT/GB03/05395 |
| 37003 | I.A. FILING DATE | PRIORITY DATE |
| SCHLUMBERGER-DOLL RESEARCH | 12/11/2003 | 12/21/2002 |
| 36 OLD QUARRY ROAD | | |
| RIDGEFIELD, CT 06877-4108 | | |
| CONFIRMATION NO. 4046 | | |
| 371 FORMALITIES LETTER | | |
|  *OC000000017129945* | | |

Date Mailed: 09/30/2005

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/13/2005
- Copy of the International Search Report filed on 06/13/2005
- Information Disclosure Statements filed on 08/26/2005
- U.S. Basic National Fees filed on 06/13/2005
- Priority Documents filed on 06/13/2005
- Specification filed on 06/13/2005
- Claims filed on 06/13/2005
- Drawings filed on 06/13/2005

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

WINSTON M ALVARADO

Telephone: (703) 308-9140 EXT 206

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/538,316 | PCT/GB03/05395 | 57.0474 US PCT |

FORM PCT/DO/EO/905 (371 Formalities Notice)